

QV9.3

MECHANICAL FASTENING FOR FORMED METAL PANELS



+ THE SIMPLEST AND MOST WIDESPREAD SOLUTION FOR FORMED METAL PANELS USING HANGERS

+ BUILT-IN ADJUSTABILITY

+ THERMALLY BROKEN BY MEANS OF THERMO-PADS

+ A1 NON-COMBUSTIBLE

+ 100% RECYCLABLE

CLADDINGS

- + ACM
- + Metal panels

The QV9.3 system is an efficient solution for mechanical attachment of formed metal panels using hangers. The system requires formed metal panels to have “keyhole” cutouts that engage with the hangers.

QV9.3 is most suitable for concrete and masonry (CMU) substrates but can also be used on stud walls with the addition of horizontal profiles.

- > The panels are suspended on the hangers and secured with fasteners on the top leg of the panel.
- > The hangers are attached to vertical T profiles, which are attached to QVB wall brackets via a series of fixed and sliding connections.
- > The wall brackets come with a thermo-pad to reduce thermal bridging and prevent galvanic corrosion.

COMPONENTS	MATERIAL	NOTES
T and L profiles	Extruded aluminum, alloy AW 6063 T66	Unpainted, RAL painted, anodized 12 µm (or more upon request)
Hanger	Extruded aluminum, alloy AW 6063 T66	Unpainted, RAL painted, anodized 12 µm (or more upon request)
Spacer	Extruded aluminum, alloy AW 6063 T66	RAL painted, anodized 12 µm (or more upon request)
QVB wall brackets	Extruded aluminum, alloy AW 6063 T6	Cavity depth from 57 mm [2 1/4"] to 285 mm [11 3/16"], Built-in in/out adjustability of 35 mm [1 3/8"]; Unpainted, typ.
Accessories	Extruded aluminum, alloy AW 6063, T66 or T6; Aluminum sheet alloy AW 5754 H22	Unpainted, RAL painted, anodized 12 µm (or more upon request)
QVB thermo-pads	Polypropylene	Pre-assembled to the wall brackets, typ.
Fasteners	Stainless steel or with corrosion resistant coating	

THERMAL PERFORMANCE

The use of thermo-pads reduces thermal bridging. The strength of the extruded materials allows for fewer wall brackets and screw penetrations to the wall compared to other attachment methods.

A given system's thermal performance varies significantly depending on the wall build-up, exterior insulation depth, cladding materials, and wall bracket spacing. Project-specific thermal modeling is available upon request.